

Richard E. Merck, P.E.

Professional experience

September 2004 – Present

Montgomery County, Md.

Fire Protection Engineer / Fire Marshal

Provide Fire Protection Engineering to Montgomery County Fire and Rescue Service (MCFRS)

- Promoted to Senior Fire Protection Engineer – April 2006
- Provide interpretation and modification determination for all adopted codes and laws pertaining to Fire and Life Safety
- Represent MCFRS as fire expert in legal proceedings and on National Boards and committees
- Perform duties of Special Assistant State Fire Marshal
- Support a fire department of over 1400 sworn members with fire protection engineering determinations
- Graduate of the Executive Fire Officer Program at the National Fire Academy in Emmitsburg, Maryland
- Lead Performance – Based Design Functions including fire modeling with Fire Dynamic Simulator (FDS)

May 2002 – September 2004

City of York, Pennsylvania

Building Official / Fire Protection Engineer

Bureau Chief leading inspectors and administrative staff in the enforcement of Building, Fire, Mechanical, Electrical, Plumbing, Energy, Health and Property Maintenance Codes

- Practicing Fire Protection Engineer
- Developed and managed a \$ 1.7 Million Budget
- Oversaw \$300 Million in new projects
- Prepared City of York for the enactment of the new State-Wide Uniform Construction Code

May 2002 – April 2004 (employed part-time)

Dover Township, Pa.

Fire Chief

Direct 3 Chief Officers, 2 Captains, and 3 Lieutenants in all aspects of fire department operations, including incident management, training, maintenance, public education, administration and fire prevention.

- Responsible for the safe and effective delivery of Emergency Services
- Oversaw \$350,000 Budget
- Enforced BOCA and Life Safety Codes through review and inspection

2000 – May 2002 Spring Garden Township Fire Department, Pa.

Lieutenant – Training Officer / Shift Supervisor

- Responsible for the safe and effective operation of the fire department in the Fire Chief's absence
- Develop and implement a comprehensive Training Program for 15 career and 25 volunteer firefighters
- Enforce adopted codes through review and inspection

1995 – 2000 Spring Garden Township Fire Department, Pa.

Career Firefighter

Certified in the following areas of fire operations:

Firefighter II, Fire Inspector III, Fire Instructor III, Fire Officer IV, HazMat Technician, Vehicle Rescue Technician, Special Rescue Disciplines

- Enforce adopted codes through review and inspection

1991 – 1995 Primerica Financial Services North Haven, Ct.

- Regional Manager overseeing 3 Offices and 30 Representatives

1989 – 1991 Pan American World Airways

- Pilot / Flight Engineer on Boeing 727

1982 – 1989 Naval Officer / Aviator U. S. Navy

- Patrol Plane Commander / Mission Commander in P3C Orion
- Instructor Pilot / Safety Standardization Check Pilot
- Served as Training and Personnel Department Head
- Hand picked to lead CNO Project K 416 (Black Fund)

Education

1978 – 1982 United States Naval Academy Annapolis, Md.

Bachelor of Science in Electrical Engineering

Security clearance

Previously held Top Secret

Awards, Honors and Certifications

Naval Aviator Wings, Joint Service Achievement Medal, Meritorious Unit Commendation, Naval Unit Commendation, Coast Guard Meritorious Unit Commendation, National Defense Service (Desert Storm), State of Maryland Engineer – in –Training (E.I.T.), Certified Fire Protection Specialist (CFPS), Building Code Official-Pa., ICC Mechanical Code Official, Certified Fire and Explosive Investigator (CFEI), Special Inspector-Smoke Control Systems, NICET tested in Fire Alarms, Sprinkler and Inspection, Maintenance and Testing, Executive Fire Officer (EFO), Guest Lecturer for Fire Modeling at National Fire Academy, Professional Engineer tested in Fire Protection Engineering, Appointed as Principal Member NFPA Building/Life Safety Code Technical Committee on Educational and Day-Care Occupancies.

